

## Claims

1. Method for establishing a connection (5, 10) between a mobile radio user (1) initiating the establishment (5-10) of the connection (5, 10) and further mobile radio users (18, 19) of a group of mobile radio users via at least one mobile radio network (11, 12, 2, 13, 14, 15, 26, 16, 17), with useful data to be transmitted between the mobile radio user (1) initiating establishment of the connection and further members (18, 19) of the group also being transmitted in addition to signaling data (6) via a first channel (5) on establishment of the connection,  
until a second channel (10) is also established for the connection (5, 10), whereupon the user data is transmitted via the second channel (10).
2. Method according to one of the preceding claims, characterized in that the channel (5) used for the transmission of signaling data is a PDP context.
3. Method according to one of the preceding claims, characterized in that the second channel (e.g. the voice channel 10) is a further PDP context.
4. Method according to one of the preceding claims, characterized in that the first channel (5) used for the transmission of signaling data and/or the second channel (10) transmit(s) useful data in a packet-switched manner, in particular by GPRS, UMTS, etc.
5. Method according to one of the preceding claims, characterized in that the mobile radio network (12, 2, 13, 14,

15, 26) is a cellular mobile radio network.

6. Method according to one of the preceding claims, characterized in that the connection (5, 10) is established for mobile radio network services, requiring the fastest possible availability of useful data transmission, e.g. push to talk.

7. Method according to one of the preceding claims, characterized in that initiation of the establishment of the connection takes place on detection of an input at a mobile radio terminal of a mobile radio user (1), in particular when the pushing of a button is detected.

8. Method according to one of the preceding claims, characterized in that the first channel (5) used for the transmission of signaling data runs from a mobile station (1) of the mobile radio user initiating establishment of the connection to a switching center (2) of a mobile radio network.

9. Method according to one of the preceding claims, characterized in that the channel used for the transmission of signaling data runs from a mobile station via an SGSN and/or a GGSN.

10. Method according to one of the preceding claims, characterized in that the mobile radio users participating in the service are stored in a mobile radio network and/or a mobile radio terminal.

11. Method according to one of the preceding claims, characterized in that the connection is established such that

useful data from every member of the group is transmitted to individual or all other members of the service.

12. Method according to one of the preceding claims, characterized in that useful data is transmitted between every member of the group and a mobile radio network first via a first channel (5, 23, 25) used for the transmission of signaling data and then via another channel (10, 23, 24), which could provide better transmission quality.

13. Method according to one of the preceding claims, characterized in that the first and/or second channel is/are a useful data channel.

14. Method according to one of the preceding claims, characterized in that once a second channel (10) is established, the useful data, e.g. voice data, is sent via the second channel (10).

15. Method according to one of the preceding claims, characterized in that the useful data is or contains voice data and/or streaming video data and/or data for interactive applications.

16. Device for implementing a method according to one of the preceding claims.

17. Mobile radio terminal (1), in particular according to claim 16, with  
- a controller, which is configured such that when a connection is established between the mobile radio terminal (1) and one or more mobile radio users of a group, it (1) first transmits voice data for example to a mobile radio

network via a first channel (5) also used for the transmission of signaling data,  
and ,once a second channel (10) is established, sends the voice data via the second channel (10).

18. Mobile radio terminal (1) according to the preceding claim,  
characterized in that once a second channel (10) is established, it sends the voice data via the second channel (10).

19. Mobile radio terminal (1) according to the preceding claim,  
characterized in that once a second channel (10) is established, it (1) can only send voice data via the second channel (10).